

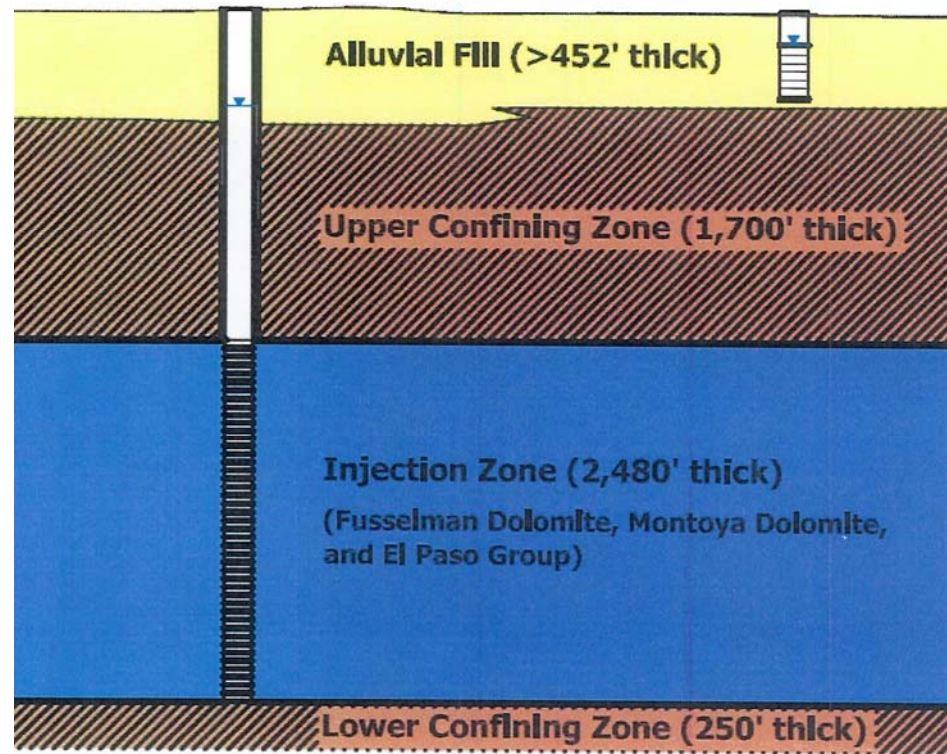
El Paso Water Utilities Exemption

11/04/10

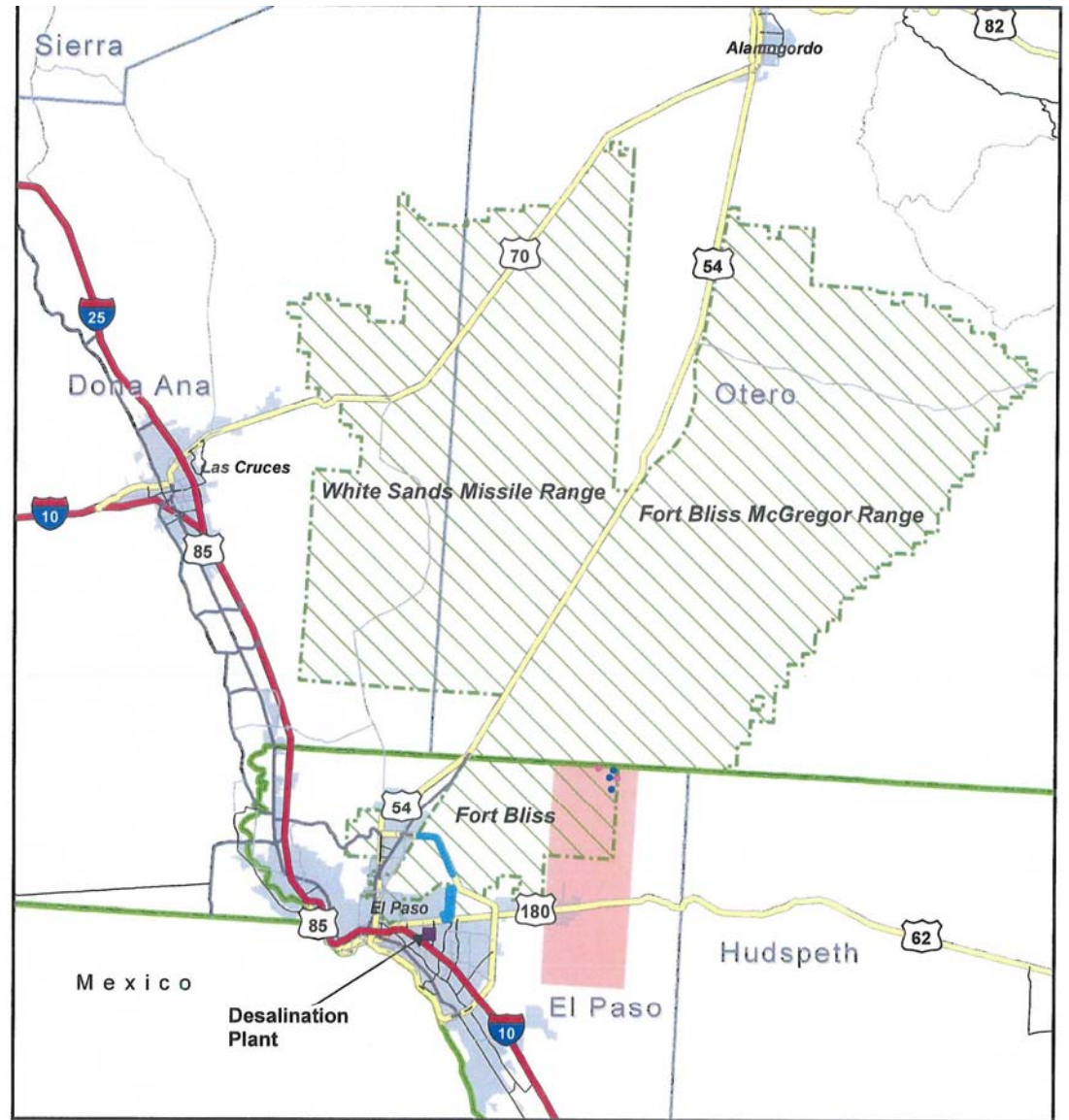




Formation Crosssection

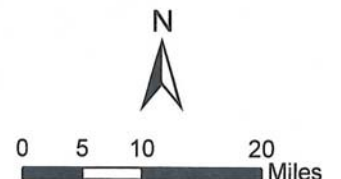


- Map shows the land area to be exempted inside and outside of Fort Bliss
- Exemption area is 141 sq. miles
- Exemption area includes approximately 38,000 residents
- These factors make public participation and institutional controls problematic

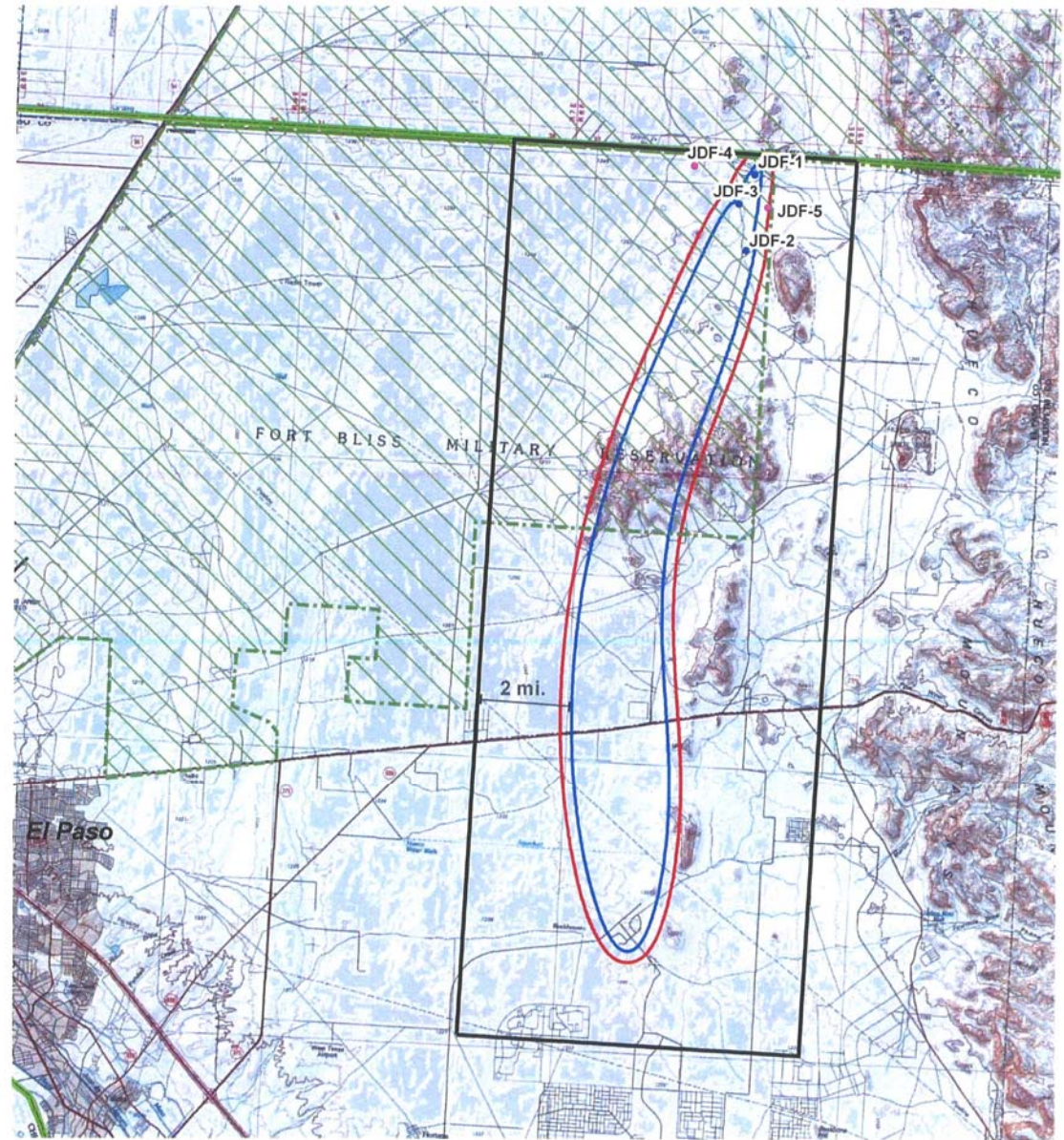


Explanation

- | | |
|------------------------------|----------------------|
| • Authorized Injection Wells | Fort Bliss |
| • Class V Injection Wells | Urban Areas |
| • Production Wells | Counties |
| State Boundary | Proposed Exempt Area |



- Map shows full extent of plume using the 3 existing wells after 50 years of injection
- Map shows plume within the proposed exempted area
- Plume is 17 miles long, 2 miles wide
- Plume extends beyond Fort Bliss
- Model does not include 2 additional approved Class V wells (JDF 4 and 5)
- Model does not predict migration into New Mexico despite approximate $\frac{1}{4}$ mile distance from closest well to boundary

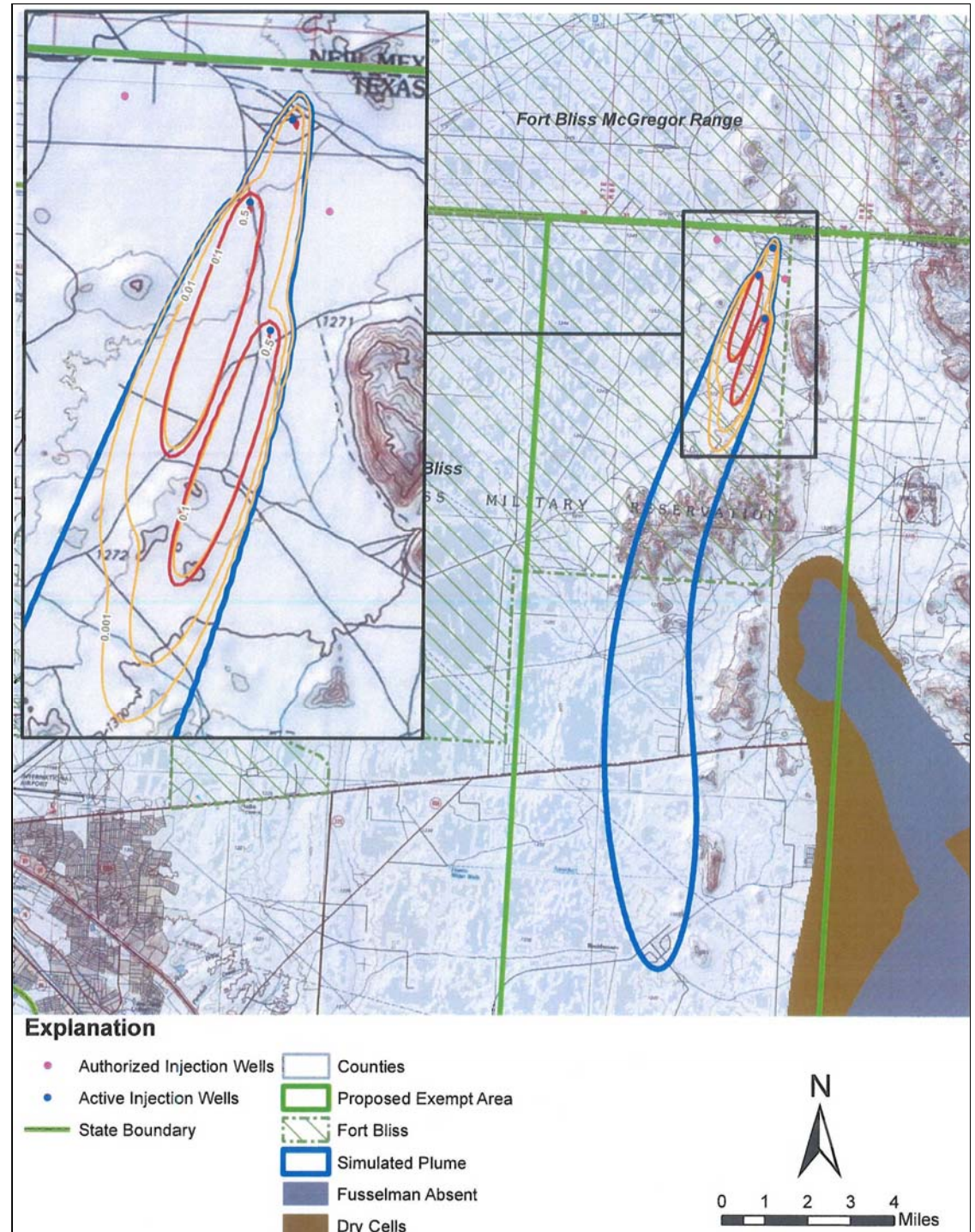


Explanation

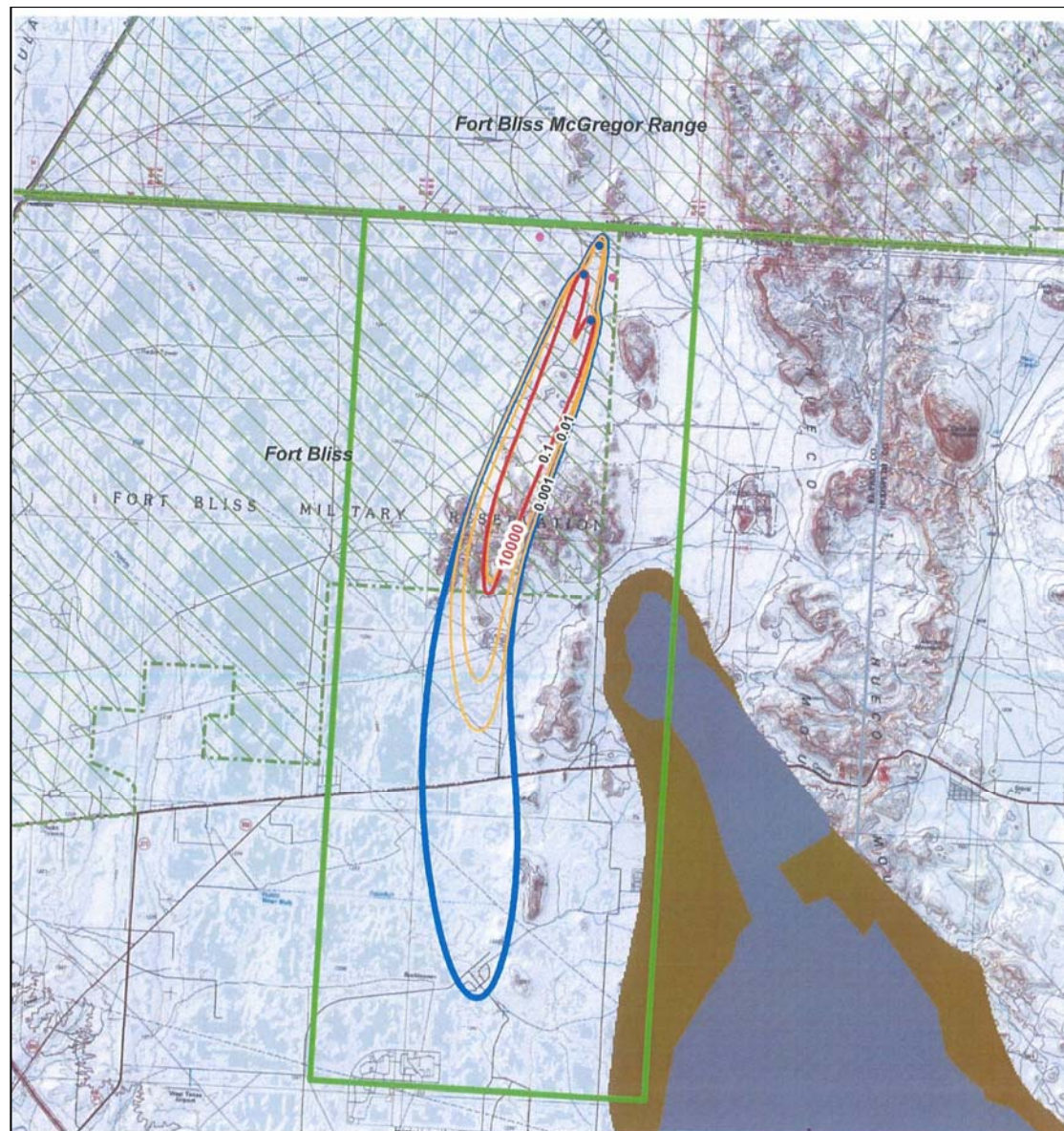
- | | |
|------------------------------|------------------------------|
| • Class V Injection Wells | Fort Bliss |
| • Authorized Injection Wells | Proposed Exempt Area |
| State Boundary | Concentrate Plume |
| | One-Quarter Mile Buffer Zone |



Map depicts the relative concentration levels of a contaminant X from dispersion and dilution after 10 years of injection



Maximum projected injection is



Explanation

- Authorized Injection Wells
- Active Injection Wells
- Relative Concentration after 30 yrs of Injection
- Actual Concentration
- State Boundary
- Counties
- Proposed Exempt Area
- Simulated Plume
- Fort Bliss
- Fusselman Absent
- Dry Cells



0 1 2 3 4 5 Miles



Explanation

- | | |
|----------------------------------------------------|------------------------|
| • Authorized Injection Wells | □ Counties |
| • Active Injection Wells | □ Proposed Exempt Area |
| — Relative Concentration after 50 yrs of Injection | □ Simulated Plume |
| — Actual Concentration | □ Fort Bliss |
| — State Boundary | □ Fusselman Absent |
| | □ Dry Cells |



0 1 2 3 4 5 Miles

Artificial Penetrations in the Proposed Exempted Area

